Volume 35/Number 7–12/July–December 1998

INDEX—*Volume 35*

Aminot, A. Reports. A Review of the Achievements of the EU Project 'QUASIMEME' 1993–1996 3
Aminot, A. Reports. Reference Material for Nutrients for the QUASIMEME Laboratory Performance Studies 1993–1996 78
Aminot, A. Reports. The QUASIMEME Laboratory Performance Studies (1993–1995): Overview of the Nutrients Section 28
Asplund, L. Poster papers. Organochlorines in the Swedish Monitoring Programme: Improvements in Methodology 176

Bacastow, R. Reports. Potential Radionuclide Transport Pathways from Seafloor Dumpsites: Kamchatka Region of the North Pacific Ocean 353
Ballestra, S. Reports. Summary of IAEA-MEL's Investigation of Kara Sea Radioactivity and Radiological Assessment 235
Balls, P. Poster papers. Are Analytical Measurements Really Improving? 159
Baskaran, M. Reports. Heavy Metals in Chukchi Sea Sediments as Compared to Selected Circum-arctic Shelves 260
Baxter, M. S. Reports. Summary of IAEA-MEL's Investigation of Kara Sea Radioactivity and Radiological Assessment 235
Blanchard, A. Reports. Heavy Metals in Chukchi Sea Sediments as Compared to Selected Circum-arctic Shelves 260
Boisson, F. Reports. Influence of Temperature on the Accumulation and Retention of 11 Radionuclides by the Marine Alga *Fucus vesiculosus* (L.) 313
Boisson, F. Reports. Radionuclide Adsorption to Sediments from Nuclear Waste Dumping Sites in the Kara Sea 296
Bradley Moran, S. Reports. Cd, Cr, Cu, Ni and Pb in the Water Column and Sediments of the Ob–Irtysh Rivers, Russia 269
Brooks, J. M. Reports. Assessment of the Impact of Nuclear Wastes in the Russian Arctic 203

Carlberg, S. Reports. The QUASIMEME Laboratory Performance Studies (1993–1995): Overview of the Nutrients Section 28
Carroll, J. Reports. Radionuclide Adsorption to Sediments from Nuclear Waste Dumping Sites in the Kara Sea 296
Carroll, J. Reports. Summary of IAEA-MEL's Investigation of Kara Sea Radioactivity and Radiological Assessment 235
Champ, M. A. Reports. Assessment of the Impact of Nuclear Wastes in the Russian Arctic 203
Champs, M. A. Reports. Concentrations of Cd, Pb, Zn and Cu in Contaminated Wetlands of the Russian Arctic 252
Champs, M. A. Reports. Concentrations of Cd, Pb, Zn and Cu in Pristine Wetlands of the Russian Arctic 242
Chiffoleau, J.-F. Reports. QUASIMEME: A Preliminary Study on the Effects of Sample Handling on the Measurement of Trace Metals and Organochlorine Residues in Mussels 109
Chivilev, S. Reports. Response of the Arctic Benthic Community to Excessive Amounts of Nontoxic Organic Matter 280
Chung, C. S. Reports. Distribution of ^{137}Cs and $^{239,240}Pu$ in the Surface Waters of the East Sea (Sea of Japan) 305
Cleemann, M. Poster papers. Calibration Fit Functions of PCBs and OCPs 162
Cofino, W. Reports. Developments in Quality Assurance in Marine Environmental Monitoring. The QUASIMEME II Laboratory Performance Studies and EU Quality Assurance of Sample Handling (QUASH) Project 146
Cofino, W. Reports. A Review of the Achievements of the EU Project 'QUASIMEME' 1993–1996 3
Cofino, W. Reports. The 1993–1995 QUASIMEME Laboratory Performance Study: Trace Metals in Sediment and Biota 42
Cofino, W. Reports. The Assessment of the QUASIMEME Laboratory Performance Studies Data: Techniques and Approach 18

Davies, I. Reports. Quality Assurance and the Interpretation of International Marine Monitoring Data: The Potential Contribution of International Laboratory Performance Studies 133
Davies, I. Reports. The 1993–1995 QUASIMEME Laboratory Performance Study: Trace Metals in Sediment and Biota 42
de Boer, J. Reports. A Review of the Achievements of the EU Project 'QUASIMEME' 1993–1996 3
de Boer, J. Reports. Chlorobiphenyls and Organochlorine Pesticides in Fish and Sediments—Three Years of QUASIMEME Laboratory Performance Studies 52
de Boer, J. Reports. Effects of Storage Conditions of Biological Materials on the Contents of Organochlorine Compounds and Mercury 93
de Boer, J. Reports. The Preparation of Biological Reference Materials for Use in Inter-Laboratory Studies on the Analysis of

Chlorobiphenyls, Organochlorine Pesticides and Trace Metals 84
Delaca, T. E. Reports. Assessment of the Impact of Nuclear Wastes in the Russian Arctic 203
Dewey, R. K. Reports. Potential Radionuclide Transport Pathways from Seafloor Dumpsites: Kamchatka Region of the North Pacific Ocean 353
Dobson, J. E. Reports. An Overview of the UK National Marine Analytical Quality Control (NMAQC) Scheme and Its Links with QUASIMEME 125

Emery, W. J. Reports. New Satellite Derived Sea Ice Motion Tracks Arctic Contamination 345
Eriksson, U. Poster papers. Organochlorines in the Swedish Monitoring Programme: Improvements in Methodology 176
Erkomaa, K. K. Poster papers. Finnish Experiences of QUASIMEME I 164

Fisher, N. S. Reports. Influence of Temperature on the Accumulation and Retention of 11 Radionuclides by the Marine Alga *Fucus vesiculosus* (L.) 313
Fokin, S. I. Reports. Benthic Communities as Influenced by Nuclear Testing and Radioactive Waste Disposal Off Novaya Zemlya in the Russian Arctic 333
Fowler, S. W. Reports. Influence of Temperature on the Accumulation and Retention of 11 Radionuclides by the Marine Alga *Fucus vesiculosus* (L.) 313
Fowler, S. W. Reports. New Satellite Derived Sea Ice Motion Tracks Arctic Contamination 345
Fowler, S. W. Reports. Radionuclide Adsorption to Sediments from Nuclear Waste Dumping Sites in the Kara Sea 296
Freriks, I. L. Reports. The QUASIMEME Laboratory Performance Study of Polycyclic Aromatic Hydrocarbons (PAH): Assessment of the First Three Rounds, 1994–1995 64
Fromberg, A. Poster papers. Calibration Fit Functions of PCBs and OCPs 162

Galtsova, V. V. Reports. Benthic Communities as Influenced by Nuclear Testing and Radioactive Waste Disposal Off Novaya Zemlya in the Russian Arctic 333
Gardner, M. J. Reports. An Overview of the UK National Marine Analytical Quality Control (NMAQC) Scheme and Its Links with QUASIMEME 125
Gastaud, J. Reports. Summary of IAEA-MEL's Investigation of Kara Sea Radioactivity and Radiological Assessment 235
Geller, H. A. The Arctic Observatory CD-ROM: An Interactive Approach to Access and Demonstrate Scientific Data and Information 384
Goering, J. J. Reports. Heavy Metals in Chukchi Sea Sediments as Compared to Selected Circum-arctic Shelves 260
Griffiths, A. H. Reports. An Overview of the UK National Marine Analytical Quality Control (NMAQC) Scheme and Its Links with QUASIMEME 125

Haapala, K. I. Poster papers. Finnish Experiences of QUASIMEME I 164
Hameedi, M. J. Reports. Heavy Metals in Chukchi Sea Sediments as Compared to Selected Circum-arctic Shelves 260
Harms, I. Reports. Summary of IAEA-MEL's Investigation of Kara Sea Radioactivity and Radiological Assessment 235
Harms, U. Poster papers. Improvement in the Determination of Lead in Cod Liver by Graphite Furnace Atomic Absorption Spectrometry 169
Häggberg, L. Poster papers. Organochlorines in the Swedish Monitoring Programme: Improvements in Methodology 176
Headley, J. V. Reports. Concentrations of Cd, Pb, Zn and Cu in Contaminated Wetlands of the Russian Arctic 252
Headley, J. V. Reports. Concentrations of Cd, Pb, Zn and Cu in Pristine Wetlands of the Russian Arctic 242
Hernroth, B. Poster papers. An Attempt to Differentiate and Evaluate Uncertainty of Nutrient Measurements Relating to Field and Laboratory Activities 156
Hong, G. H. Reports. Distribution of ^{137}Cs and $^{239,240}Pu$ in the Surface Waters of the East Sea (Sea of Japan) 305
Hutchins, D. A. Reports. Influence of Temperature on the Accumulation and Retention of 11 Radionuclides by the Marine Alga *Fucus vesiculosus* (L.) 313
Huynh-Ngoc, L. Reports. Summary of IAEA-MEL's Investigation of Kara Sea Radioactivity and Radiological Assessment 235

Ischenko, A. A. Reports. Concentrations of Cd, Pb, Zn and Cu in Contaminated Wetlands of the Russian Arctic 252
Ischenko, A. A. Reports. Concentrations of Cd, Pb, Zn and Cu in Pristine Wetlands of the Russian Arctic 242
Ivanov, V. V. Reports. Assessment Aspect of Contamination of the Arctic Estuary Ecosystems 222
Ivanov, V. V. Reports. Benthic Communities as Influenced by Nuclear Testing and Radioactive Waste Disposal Off Novaya Zemlya in the Russian Arctic 333

Ivanov, V. V. Reports. Macrobenthic Communities of the Pechora Sea: the Past and the Present on the Threshold of the Prirazlomnoye Oil-field Exploitation 287
Ivanov, V. V. Reports. Response of the Arctic Benthic Community to Excessive Amounts of Nontoxic Organic Matter 280

Järvinen, O. Poster papers. Finnish Experiences of QUASIMEME I 164
Jessep, M. A. Reports. An Overview of the UK National Marine Analytical Quality Control (NMAQC) Scheme and Its Links with QUASIMEME 125
Jones, B. Poster papers. Setting Performance Targets for Analytical Accuracy 181
Jones, B. Poster papers. What Should You Do if QUASIMEME Says Your Results are Wrong? 183

Kang, D.-J. Reports. Distribution of ^{137}Cs and $^{239,240}Pu$ in the Surface Waters of the East Sea (Sea of Japan) 305
Kärserud, A.-S. Poster papers. Organochlorines in the Swedish Monitoring Programme: Improvements in Methodology 176
Kelley, J. J. Reports. Heavy Metals in Chukchi Sea Sediments as Compared to Selected Circum-arctic Shelves 260
Kérouel, R. Reports. Reference Material for Nutrients for the QUASIMEME Laboratory Performance Studies 1993–1996 78
Khlebovich, V. V. Reports. Assessment Aspect of Contamination of the Arctic Estuary Ecosystems 222
Kim, K.-R. Reports. Distribution of ^{137}Cs and $^{239,240}Pu$ in the Surface Waters of the East Sea (Sea of Japan) 305
Kim, S. H. Reports. Distribution of ^{137}Cs and $^{239,240}Pu$ in the Surface Waters of the East Sea (Sea of Japan) 305
Kirkwood, D. Reports. A Review of the Achievements of the EU Project 'QUASIMEME' 1993–1996 3
Kirkwood, D. Reports. The QUASIMEME Laboratory Performance Studies (1993–1995): Overview of the Nutrients Section 28
Kiyko, O. A. Reports. Long-term Benthic Population Changes (1920–1930s–Present) in the Barents and Kara Seas 322
Kiyko, O. A. Reports. Persistent Organic Pollutant, Trace Metal and Radionuclide Concentrations in Bottom Organisms of the Barents Sea and Adjacent Areas 340
Klungsøyr, J. Reports. QUASIMEME: A Preliminary Study on the Effects of Sample Handling on the Measurement of Trace Metals and Organochlorine Residues in Mussels 109
Klungsøyr, J. Reports. The QUASIMEME Laboratory Performance Study of Polycyclic Aromatic Hydrocarbons (PAH): Assessment of the First Three Rounds, 1994–1995 64
Korhonen, K. A. Poster papers. Finnish Experiences of QUASIMEME I 164
Krysell, M. Poster papers. How Accreditation Changed Us 167

Law, R. J. Reports. The QUASIMEME Laboratory Performance Study of Polycyclic Aromatic Hydrocarbons (PAH): Assessment of the First Three Rounds, 1994–1995 64
Lihtamo, P. R. Poster papers. Finnish Experiences of QUASIMEME I 164
Liong Wee Kwong, L. Reports. Summary of IAEA-MEL's Investigation of Kara Sea Radioactivity and Radiological Assessment 235
Litzén, K. Poster papers. Organochlorines in the Swedish Monitoring Programme: Improvements in Methodology 176
Lynn, N. M. Reports. Modelling the Release to the kara Sea of Radioactive Waste from the Icebreaker *Lenin*: Version II 365

Mahootian, F. The Arctic Observatory CD-ROM: An Interactive Approach to Access and Demonstrate Scientific Data and Information 384
Makeyev, V. V. Reports. Assessment Aspect of Contamination of the Arctic Estuary Ecosystems 222
Makeyev, V. V. Reports. Assessment of the Impact of Nuclear Wastes in the Russian Arctic 203
Maslanik, J. Reports. New Satellite Derived Sea Ice Motion Tracks Arctic Contamination 345
Morehead, M. D. Reports. Potential Radionuclide Transport Pathways from Seafloor Dumpsites: Kamchatka Region of the North Pacific Ocean 353
Mount, M. E. Reports. Modelling the Release to the kara Sea of Radioactive Waste from the Icebreaker *Lenin*: Version II 365
Muench, R. D. Reports. Potential Radionuclide Transport Pathways from Seafloor Dumpsites: Kamchatka Region of the North Pacific Ocean 353

Naidu, A. S. Reports. Heavy Metals in Chukchi Sea Sediments as Compared to Selected Circum-arctic Shelves 260
Nausch, G. Poster papers. Nutrient Analysis: Manual Methods and Autoanalyser and *vice versa* 171
Nausch, G. Reports. Selection and Criteria for Biological Indicator Species for Arctic Monitoring 381
Nekrasova, N. N. Reports. Macrobenthic Communities of the Pechora Sea: the Past and

the Present on the Threshold of the Prirazlomnoye Oil-field Exploitation 287
Nicholson, M. Poster papers. Setting Performance Targets for Analytical Accuracy 181
Nikanarov, A. M. Reports. Concentrations of Cd, Pb, Zn and Cu in Contaminated Wetlands of the Russian Arctic 252
Nikanarov, A. M. Reports. Concentrations of Cd, Pb, Zn and Cu in Pristine Wetlands of the Russian Arctic 242

Osvath, I. Reports. Summary of IAEA-MEL's Investigation of Kara Sea Radioactivity and Radiological Assessment 235

Pedersen, B. Reports. A Review of the Achievements of the EU Project 'QUASIMEME' 1993–1996 3
Pedersen, B. Reports. The 1993–1995 QUASIMEME Laboratory Performance Study: Trace Metals in Sediment and Biota 42
Pettersson, H. Reports. Summary of IAEA-MEL's Investigation of Kara Sea Radioactivity and Radiological Assessment 235
Pfirman, S. Reports. New Satellite Derived Sea Ice Motion Tracks Arctic Contamination 345
Pogrebov, V. B. Reports. Benthic Communities as Influenced by Nuclear Testing and Radioactive Waste Disposal Off Novaya Zemlya in the Russian Arctic 333
Pogrebov, V. B. Reports. Long-term Benthic Population Changes (1920–1930s–Present) in the Barents and Kara Seas 322
Pogrebov, V. B. Reports. Macrobenthic Communities of the Pechora Sea: the Past and the Present on the Threshold of the Prirazlomnoye Oil-field Exploitation 287
Pogrebov, V. B. Reports. Persistent Organic Pollutant, Trace Metal and Radionuclide Concentrations in Bottom Organisms of the Barents Sea and Adjacent Areas 340
Povinec, P. P. Reports. Summary of IAEA-MEL's Investigation of Kara Sea Radioactivity and Radiological Assessment 235
Presley, B. J. Reports. A Review of Arctic Trace Metal Data with Implications for Biological Effects 226

Quevauviller, P. Reports. The QUASIMEME Project from a European Union Viewpoint 140

Ravenscroft, J. E. Reports. An Overview of the UK National Marine Analytical Quality Control (NMAQC) Scheme and Its Links with QUASIMEME 125
Robarts, R. D. Reports. Concentrations of Cd, Pb, Zn and Cu in Contaminated Wetlands of the Russian Arctic 252
Robarts, R. D. Reports. Concentrations of Cd, Pb, Zn and Cu in Pristine Wetlands of the Russian Arctic 242
Rossi, G. Poster papers. On-line Determination of Total Nitrogen in Natural Sea Water Samples by Alkaline Persulphate Oxidation 174

Savarese, M. Poster papers. On-line Determination of Total Nitrogen in Natural Sea Water Samples by Alkaline Persulphate Oxidation 174
Sivintsev, Y. Reports. Modelling the Release to the kara Sea of Radioactive Waste from the Icebreaker *Lenin*: Version II 365
Smedes, F. Reports. Effects of Storage Conditions of Biological Materials on the Contents of Organochlorine Compounds and Mercury 93
Suortti, A.-M. Poster papers. Finnish Experiences of QUASIMEME I 164

Templeton, W. L. Reports. Research Needed Relative to the Radiological Assessment of the Dumping of Radioactive Wastes in the Oceans 374
Teyssie, J.-L. Reports. Influence of Temperature on the Accumulation and Retention of 11 Radionuclides by the Marine Alga *Fucus vesiculosus* (L.) 313
Teyssie, J.-L. Reports. Radionuclide Adsorption to Sediments from Nuclear Waste Dumping Sites in the Kara Sea 296
Timms, S. J. Reports. Modelling the Release to the kara Sea of Radioactive Waste from the Icebreaker *Lenin*: Version II 365
Topping, G. Introduction 1

Vuolas, S. I. Poster papers. Finnish Experiences of QUASIMEME I 164

Warden, J. M. Reports. Modelling the Release to the kara Sea of Radioactive Waste from the Icebreaker *Lenin*: Version II 365
Wells, D. E. Reports. A Review of the Achievements of the EU Project 'QUASIMEME' 1993–1996 3
Wells, D. E. Reports. Chlorobiphenyls and Organochlorine Pesticides in Fish and Sediments—Three Years of QUASIMEME Laboratory Performance Studies 52
Wells, D. E. Reports. Developments in Quality Assurance in Marine Environmental Monitoring. The QUASIMEME II Laboratory Performance Studies and EU Quality Assurance of Sample Handling (QUASH) Project 146
Wells, D. E. Reports. Quality Assurance and the Interpretation of International Marine

Monitoring Data: The Potential Contribution of International Laboratory Performance Studies 133
Wells, D. E. Reports. QUASIMEME: A Preliminary Study on the Effects of Sample Handling on the Measurement of Trace Metals and Organochlorine Residues in Mussels 109
Wells, D. E. Reports. The Assessment of the QUASIMEME Laboratory Performance Studies Data: Techniques and Approach 18
Woods, W. L. Reports. Cd, Cr, Cu, Ni and Pb in the Water Column and Sediments of the Ob–Irtysh Rivers, Russia 269
Zhulidov, A. V. Reports. Concentrations of Cd, Pb, Zn and Cu in Contaminated Wetlands of the Russian Arctic 252
Zhulidov, A. V. Reports. Concentrations of Cd, Pb, Zn and Cu in Pristine Wetlands of the Russian Arctic 242